

***LineUp With Math™* Alignment**
2007 Mississippi Mathematics Framework

Content Strand: Number and Operations

Competency 1. Apply concepts and perform basic operations using real numbers in real-world context.

Objectives/Benchmarks

i. Solve proportions, including unit rate, scale, and measurement. Apply proportional reasoning to real-world problems.

***LineUp With Math™* Activities**

--Use an interactive simulator plus calculation worksheets to apply proportional reasoning to identify and resolve distance, rate, time conflicts in air traffic control.

k. Write, solve, and apply real-life problems using percents with and without calculators.

--Use percent relationships to resolve distance, rate, time conflicts in air traffic control.

l. Use estimation to determine the reasonableness of results in a variety of situations.

--Predict and resolve aircraft conflicts and explain results of mathematical calculations and simulations.

Content Strand: Measurement

Competency 4. Understand measurable attributes of objects and apply various formulas in problem solving situations.

Objectives/Benchmarks

a. Convert, perform basic operations, and solve real-world application problems using standard measurements.

***LineUp With Math™* Activities**

--Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios.

b. Apply appropriate techniques and tools to determine measurements.

--Use an interactive simulator plus calculation worksheets to model and resolve air traffic control conflicts.